

ABSTRACT

The invention relates to compositions and methods useful in the labeling and identification of proteins. The invention provides for highly soluble zwitterionic dye molecules where the dyes and associated
5 side groups are non-titratable and maintain their net zwitterionic character over a broad pH range, for example, between pH 3 and 12. These dye molecules find utility in a variety of applications, including use in the field of proteomics.